



PROJECT REPORT
FAMILY FACE RECOGNITION USING
CONVOLUTIONAL NEURAL NETWORK

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Semarang, July, 03, 2020



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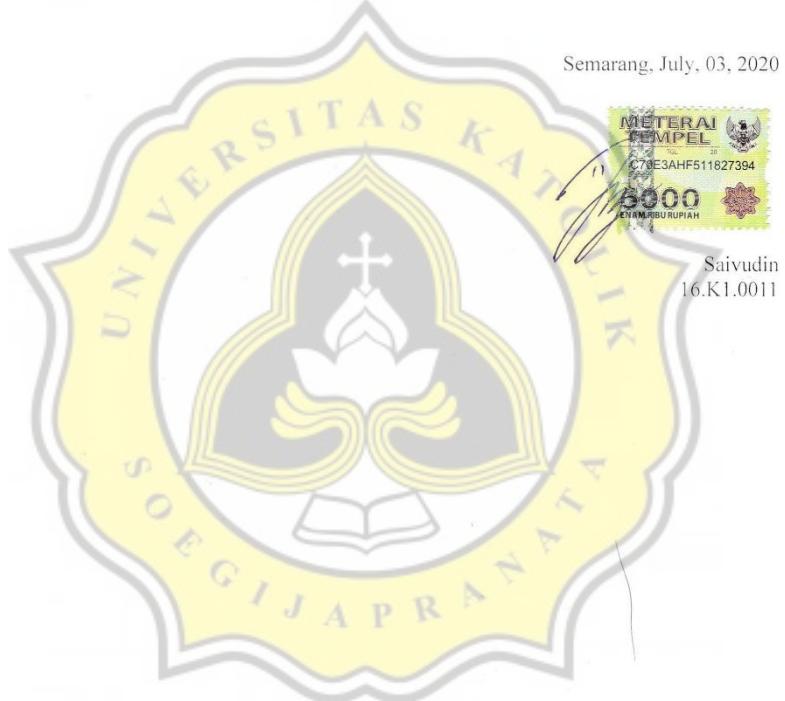
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ABSTRACT

Face is one of the unique characteristics of human being. Especially in many situation, we can see other people face not only from front-facing but many angle and not always in good condition of light. There are many case where CCTV is use to check whether it is family member or not. When we can know that they are family member or not, but when older person want to know but cannot see as clear as young person it will be the problem.

To identify individual identity through face recognition there are many ways to solve this problem. One of the solution is give description to the person who already detected whether he or she are family member or not. This can be done by using CNN for the method and OpenCV for the engine and also TensorFlow.

Final result of this project prove that CNN can work enough to detect face. This project is succeed because it get 86% for the result whether the person that detected by the CCTV are family member or not.

Keyword: CNN, TensorFlow, OpenCV, face

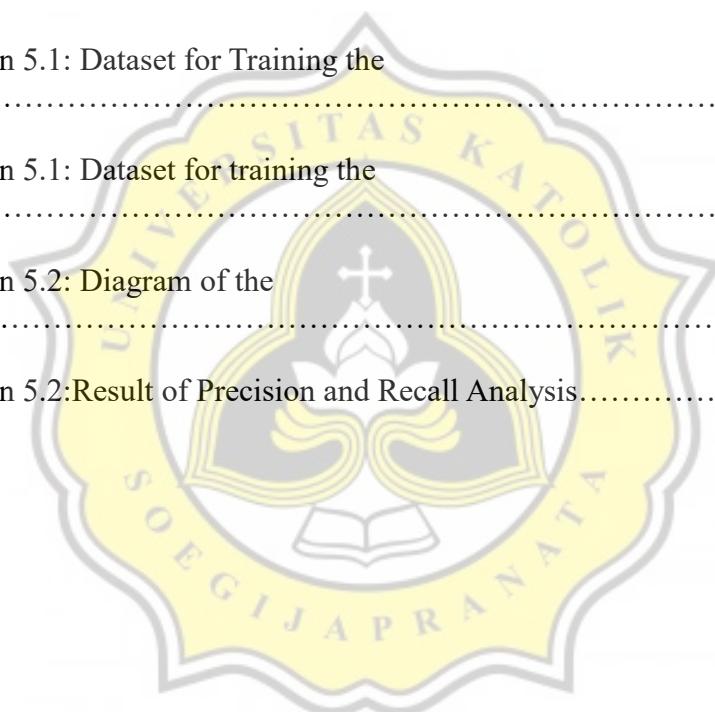


TABLE OF CONTENTS

Cover	1
HALAMAN PERNYATAAN PUBLIKASI KARYA ILMIAH UNTUK KEPENTINGAN AKADEMIS	3
HALAMAN PENGESAHAN	5
ABSTRACT	6
TABLE OF CONTENTS	7
ILLUSTRATION INDEX.....	8
INDEX OF TABLES.....	9
CHAPTER 1 Introduction.....	10
1.1 Background.....	10
1.2 Problem Formulation.....	10
1.3 Scope	11
1.4 Objective.....	11
CHAPTER 2 Literature Study.....	12
CHAPTER 3 Research Methodology	16
3.1 Research Process	16
3.2 Collecting Datasets	16
3.3 Convolutional Neural Network	16
3.4 Training	20
CHAPTER 4 Analysis and Design.....	21
4.1 Analysis	21
4.2 Desain	23
CHAPTER 5 Implementation and Testing	24
5.1 Implementation	24
5.2 Testing.....	25
CHAPTER 6 Conclusion	31
References.....	A
Appendix	B

ILLUSTRATION INDEX

Illustration 4.1.1: Result from WebCam when using 20 as minimum size of face	20
Illustration 4.1.2: Result from WebCam when using 15 as minimum size of face	20
Illustration 4.2.1: Flow Chart of the research point.....	21
Illustration 5.1: Dataset from CCTV.....	23
Illustration 5.1: Dataset for Training the face.....	23
Illustration 5.1: Dataset for training the face.....	24
Illustration 5.2: Diagram of the Result.....	27
Illustration 5.2:Result of Precision and Recall Analysis.....	27



INDEX OF TABLES

Table 5.1: Table of Detecting Faces from the Datasets Using CNN.....24

Table 5.1: Table of Detecting Faces from the Datasets Using Pimeyes26

